

# Camshaft Adjusting Device for Internal Combustion Engines of Motor Vehicles

## Abstract

A camshaft adjusting device for internal combustion engines of motor vehicles has an intake camshaft adjuster and an exhaust camshaft adjuster driven by an endless drive connected to the crankshaft. The intake and exhaust camshaft adjusters are connected by a gear transmission to one another. The intake and exhaust camshaft adjusters each have a gear forming a part of the gear transmission. The intake and exhaust camshaft adjusters are directly drivingly connected by the gears or a common gear wheel fixedly connected to an intermediate shaft is positioned between the gears.